

SEARCH REQUEST FORM**Scientific and Technical Information Center**

Requester's Full Name: TESFALDET BOGUE Examiner #: 67293 Date: 7/3/01
 Art Unit: 2614 Phone Number 305 4735 Serial Number: 09/648/153
 Mail Box and Bldg/Room Location: 3014 Results Format Preferred (circle): PAPER DISK E-MAIL
PK2

If more than one search is submitted, please prioritize searches in order of need.

Please provide a detailed statement of the search topic, and describe as specifically as possible the subject matter to be searched. Include the elected species or structures, keywords, synonyms, acronyms, and registry numbers, and combine with the concept or utility of the invention. Define any terms that may have a special meaning. Give examples or relevant citations, authors, etc, if known. Please attach a copy of the cover sheet, pertinent claims, and abstract.

Title of Invention: LIQUID CRYSTAL Display Unit
 Inventors (please provide full names): JUN KOYAMA

Earliest Priority Filing Date: _____

**For Sequence Searches Only* Please include all pertinent information (parent, child, divisional, or issued patent numbers) along with the appropriate serial number.*

5 799746

STAFF USE ONLY**Type of Search****Vendors and cost where applicable**

| | | |
|---------------------------------------|-----------------------|------------------------|
| Searcher: <u>M. Campbell</u> | NA Sequence (#) _____ | STN _____ |
| Searcher Phone #: <u>6 0255</u> | AA Sequence (#) _____ | Dialog <u>✓</u> |
| Searcher Location: <u>KIC 1600</u> | Structure (#) _____ | Questel/Orbit <u>X</u> |
| Date Searcher Picked Up: <u>7/3</u> | Bibliographic _____ | Dr.Link _____ |
| Date Completed: <u>7/3</u> | Litigation <u>✓</u> | Lexis/Nexis <u>X</u> |
| Searcher Prep & Review Time: <u>2</u> | Fulltext _____ | Sequence Systems _____ |
| Clerical Prep Time: <u>1</u> | Patent Family _____ | WWW/Internet _____ |
| | Other _____ | Other (specify) _____ |

1/9/1

DIALOG(R)File 345:Inpadoc/Fam.& Legal Stat
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12581311

Basic Patent (No,Kind,Date): JP 7199156 A2 19950804 <No. of Patents: 003>

PATENT FAMILY:

JAPAN (JP)

Patent (No,Kind,Date): JP 7199156 A2 19950804
LIQUID CRYSTAL DISPLAY DEVICE (English)
Patent Assignee: SEMICONDUCTOR ENERGY LAB
Author (Inventor): KOYAMA JUN
Priority (No,Kind,Date): JP 93354091 A 19931227
Applic (No,Kind,Date): JP 93354091 A 19931227
IPC: * G02F-001/133; G09G-003/36
Language of Document: Japanese
Patent (No,Kind,Date): JP 7199157 A2 19950804
LIQUID CRYSTAL DISPLAY DEVICE (English)
Patent Assignee: SEMICONDUCTOR ENERGY LAB
Author (Inventor): KOYAMA JUN
Priority (No,Kind,Date): JP 93354092 A 19931227
Applic (No,Kind,Date): JP 93354092 A 19931227
IPC: * G02F-001/133; G09G-003/36
Language of Document: Japanese

UNITED STATES OF AMERICA (US)

Patent (No,Kind,Date): US 5798746 A 19980825
LIQUID CRYSTAL DISPLAY DEVICE (English)
Patent Assignee: SEMICONDUCTOR ENERGY LAB (JP)
Author (Inventor): KOYAMA JUN (JP)
Priority (No,Kind,Date): JP 93354091 A 19931227; JP 93354092 A 19931227
Applic (No,Kind,Date): US 362881 A 19941223
National Class: * 345098000; 345092000; 345089000
IPC: * G09G-003/36; G02F-001/13
Language of Document: English

UNITED STATES OF AMERICA (US)

Legal Status (No,Type,Date,Code,Text):

| | | | | |
|------------|---|----------|---|-----------------------------------|
| US 5798746 | P | 19931227 | US AA | PRIORITY (PATENT) |
| | | | JP 93354091 A | 19931227 |
| US 5798746 | P | 19931227 | US AA | PRIORITY (PATENT) |
| | | | JP 93354092 A | 19931227 |
| US 5798746 | P | 19941223 | US AE | APPLICATION DATA (PATENT) |
| | | | (APPL. DATA (PATENT)) | |
| | | | US 362881 A | 19941223 |
| US 5798746 | P | 19941223 | US AS02 | ASSIGNMENT OF ASSIGNOR'S INTEREST |
| | | | SEMICONDUCTOR ENERGY LABORATORY CO., LTD. | |
| | | | 1-4-23, NISHIHASHIMOTO, SAGAMIHARA-SHI ; | |
| | | | KOYAMA, JUN : 19941221 | |
| US 5798746 | P | 19980825 | US A | PATENT |
| US 5798746 | P | 20001024 | US RF | REISSUE APPLICATION FILED |
| | | | (REISSUE APPL. FILED) | |
| | | | 20000825 | |

LEVEL 1 OF 1 PATENT

5,798,746

<=2> GET 1st DRAWING SHEET OF 8

Aug. 25, 1998

Liquid crystal display device

REISSUE: Reissue Application filed Aug. 25, 2000 (O.G. Oct. 24, 2000) Ex. Gp.:
2775; Re. S.N. 08/362,881

CORE TERMS: pixel, voltage, display, electrode, memory circuit, matrix,
digital, liquid crystal, transistor, thin film...

EXIS-NEXIS
Library: PATENT
File: ALL

Your search request has found no CASES.

To edit the above request, use the arrow keys. Be sure to move the cursor to the end of the request before you enter it.

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1/3 LGST (1/1) - (C) LEGSTAT
PN - US 5798746 [US5798746]
AP - US 362881/94 19941223 [1994US-0362881]
DT - US-P
ACT - 19941223 US/AE-A
APPLICATION DATA (PATENT)
{US 362881/94 19941223 [1994US-0362881]}
- 19941223 US/AS02
ASSIGNMENT OF ASSIGNOR'S INTEREST
SEMICONDUCTOR ENERGY LABORATORY CO., LTD. 1-4-23, NISHIHASHIMOTO,
SAGAMIHARA-SHI * KOYAMA, JUN : 19941221
- 19980825 US/A
PATENT
- 20001024 US/RF
REISSUE APPLICATION FILED
20000825
UP - 2000-43

2/3 CRXX (1/1) - (C) CLAIMS/RRX
AN - 3029776
PN - 5,798,746 A 19980825 [US5798746]
PA - Semiconductor Energy Laboratory Co Ltd JP
PT - E (Electrical)
ACT - 20000825 REISSUE REQUESTED
Issue Date of O.G.: 20001024
Reissue Request Number: 08/362881
Examination Group responsible for Reissue process: 2775

UP - 2000-43
UACT- 2000-10-24

3/3 PAST (1/1) - (C) PAST
AN - 200043-001361
PN - 5798746 A [US5798746]
DT - A (UTILITY)
OG - 2000-10-24
CO - REA
ACT - REISSUE APPLICATION FILED
SH - REISSUE APPLICATION FILED